BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: MAINTENANCE AND REPAIR WORKS AT PRIMARY HEALTH CENTER AT AGRAHARA LAYOUT IN WARD NO. 05 BYATARAYANAPURA SUB DIVISION

Est.Cost.Rs. 3000000

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	SSM Excavation								
	South Side	Cum	1	44	0.75	0.9	29.70		
	East Side	Cum	1	90	0.75	0.9	60.75		
								449.00	
	Basic rate							35.92	
	Area weightage 8%						**90.45**	**484.92**	**43861.01**
	Total								
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	SSM Footing Below								
	South Side	Cum	1	44	0.75	0.15	4.95		
	East Side	Cum	1	90	0.75	0.15	10.13		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**15.08**	**2623.32**	**39546.55**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	SSM Below								
	South Side	Cum	1	44	0.75	0.15	4.95		
	East Side	Cum	1	90	0.75	0.15	10.13		
	Basic rate							5102.0	
	Area weightage 8%							408.2	
	Total						**15.08**	**5510.16**	**83065.66**
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, Pg No. 13 Item No. 4.6								
	Above SSM								
	South Side	Cum	1	44	0.45	0.15	2.97		
	East Side	Cum	1	90	0.45	0.15	6.08		
	Parking Area								
	Below Parking Tails								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Cum	1	15.4	4	0.1	6.16		
		Cum	1	10	2.7	0.1	2.70		
		Cum	1	7.8	5.3	0.1	4.13		
	Coaping Concrete on								
	North Side Compound Wall	Sqm	1	89.6	0.2	0.1	1.79		
	South Side	Sqm	1	44	0.2	0.1	0.88		
	East Side	Sqm	1	90	0.2	0.1	1.80		
	Basic rate							5422.0	
	Area weightage 8%							433.8	
	Total						**26.51**	**5855.76**	**155206.92**
5	Providing and laying/fixing cement base, precast, pre polished cement concrete, **designer tiles** 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 112, I.No. 14.62 of PWD SR 2018-19)								
	Parking Area								
		Sqm	1	15.4	4.00		61.60		
		Sqm	1	10.0	2.70		27.00		
		Sqm	1	7.80	5.30		41.34		
	Basic rate							1232.0	
	Area weightage 8%							98.56	
	Total						**129.94**	**1330.56**	**172893.0**
6	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25								
	SSM Footing								
	South Side	Cum	1	44	0.6	0.6	15.84		
	East Side	Cum	1	90	0.6	0.6	32.40		
	Basic rate							4596.0	
	Area weightage 8%							367.7	
	Total						**48.24**	**4963.68**	**239447.9**
7	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					90.45		
	PCC for Footing	Cum					-15.08		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Filling in foundation with granite / trap broken metal	Cum					-15.08		
	SSM Footing	Cum					-48.24		
	Footing Concrete Quantity	Cum					0.00		
	Basic rate							201.0	
	Area weightage 8%							16.1	
	Total						**12.06**	**217.1**	**2617.98**
8	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					90.45		
	Filling Available of Excavated Earth						-12.06		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**78.39**	**67.09**	**5259.15**
9	KSRB 5.4-4 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Pg No 25 item No 5.13								
	Above Ground								
	South Side	Cum	1	44	0.45	0.45	8.91		
	East Side	Cum	1	90	0.45	0.45	18.22		
	Basic rate							6005.0	
	Area weightage 8%							480.4	
	Total						**27.13**	**6485.40**	**175948.90**
10	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	South Side	Sqm	2	44.0		0.45	39.60		
	East Side	Sqm	2	90		0.45	81.00		
	Basic rate							142.0	
	Area weightage 8%							11.4	
	Total						**120.60**	**153.36**	**18495.22**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
11	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	Ground Floor								
	North Side Compound Wall	Sqm	1	89.6		0.6	53.76		
	South Side	Sqm	1	44		2.6	114.40		
	East Side	Sqm	1	90		2.6	234.00		
	Basic rate							912.0	
	Area weightage 8%							73.0	
	Total						**402.16**	**984.96**	**396111.51**
12	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
	External Plastering								
	Ground Floor								
	North Side Compound Wall	Sqm	2	89.6		0.6	107.52		
	South Side	Sqm	2	44		2.6	228.80		
	East Side	Sqm	2	90		2.6	468.00		
	Basic rate							261.0	
	Area weightage 8%							20.9	
	Total						**804.32**	**281.88**	**226721.72**
13	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications (page no127, item no.15.103)								
	External painting								
	North Side Compound Wall	Sqm	2	89.6		2.6	465.92		
	South Side	Sqm	2	44		2.6	228.80		
	East Side	Sqm	2	90		2.6	468.00		
	Basic rate							340.0	
	Area weightage 8%							27.2	
	Total						**1162.72**	**367.20**	**426950.78**
14	KSRRB M800- Fencing/ Railing KSRRB M800-17. G.I. Barbed Wire Fencing 1.2 Metre High-Providing and fixing 1.2 metres high GI barbed wire fencing with 1.8 m angle iron posts 40 mm x 40 mm x 6 mm placed every 3 metres center to center founded in M15 grade cement concrete, 0.6 metre below ground level, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with 9 horizontal lines and 2 diagonals interwoven with horizontal wires, fixed with GI staples, turn buckles etc complete as per clause 800.7 as per specifications. MORTH Specification No. 807 Page No.								
	Above Compound Wall								
	North Side Compound Wall	m	1	89.6			89.60		
	South Side	m	1	44			44.00		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	East Side	m	1	90			90.00		
	Basic rate							204.0	
	Area weightage 8%							16.3	
	Total						**223.60**	**220.3**	**49263.55**
15	Providing and fixing conference table consisting of 25 mm thick PLPB table top edge bounded, 25 mm thick PLPB with edge bonded End table,18 mm thick PLPB with edge bonded Modesty, Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge 4800 mmX 2400mm X 750 mm Ht (20 seater) - U shaped with a top width of 600 mm. (P.No. 320, I.No. 39.22 of)								
		RMT	1				1.00		
	Basic rate							71500	
	Area weightage 8%							5720	
	Total						**1.00**	**77220**	**77220.0**
16	FREE STANDING TABLE FOR CABIN - WITHOUT FRAMES Providing and fixing Free Standing Table for Cabin- without frames consisting of 25 mm thick PLPB table top , 25 mm thick PLPB with edge bonded End table,18 mm thick PLPB with edge bonded Modesty, Wire manager -ABS plastic grommet one number per table Hardware-Minifix assembly and screw leg., as per specifications, drawings and as directed by Engineer in charge(Page No. , Item No.39.18.2)1500 mmW x 600mm D x 750 mm ht (Edgebinding table top)								
		NO	1				1.00		
	Basic rate							8800.00	
	Area weightage 8%							704.0	
	Total						**1.00**	**9504.00**	**9504.0**
17	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Bodypart. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.								
	Led Streetlightt 90 Watts	NO	4				4.00		
	Basic rate							7160.00	
	Area weightage 8%							572.8	
	Total						**4.00**	**7732.80**	**30931.2**
18	Providing executive revolving chairs with full high back with head rest etc., complete inclusive of all taxes as per direction of engineer in charge (DSMS rate)								
		No.	10				10.00		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Data Rate							7917.00	
	Total						**10.00**	**7917.00**	**79170.0**
19	Providing stainless steel visitor chairs (perforated) three seaters inclusive of all taxes & labour charges etc., complete (Quotation lowest rate) Quotation								
	Waiting Chairs	NO	23				23.00		
	Data Rate								
	Total						**23.00**	**14875.00**	**342125.0**
20	Providing Executive Netted Revolving Chair with high back with adjustable handle,adjustable head rest with steel chromium base inclusive of all taxes and transportation charges								
		NO	1				1.00		
	Data Rate								
	Total						**1.00**	**22327.50**	**22327.5**
								Total SR items	**2153045.0**
								Total Data Rate Items	**443622.5**
								ADD 12% GST for SR items	**258365**
								Sub Total	**2855033**
								Tender premium 5% of Estimated cost	**142752**
								Miscellaneous and rounding off	**2215**
								Grand Total	**3000000**
								RUPEES THIRTY LAKHS ONLY	

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Administrative Approval
Accorded For Rs. 30.00 Lakhs
Head of A/C 7-3572
CER NO : 154 Dt: 22/12/2020

TA

CE (YNK)

Technical Sanction
Accorded For Rs. 30.00 Lakhs
Head of A/C 7-3572
CER NO : 154 Dt: 22/12/2020

TA

CE (YNK)